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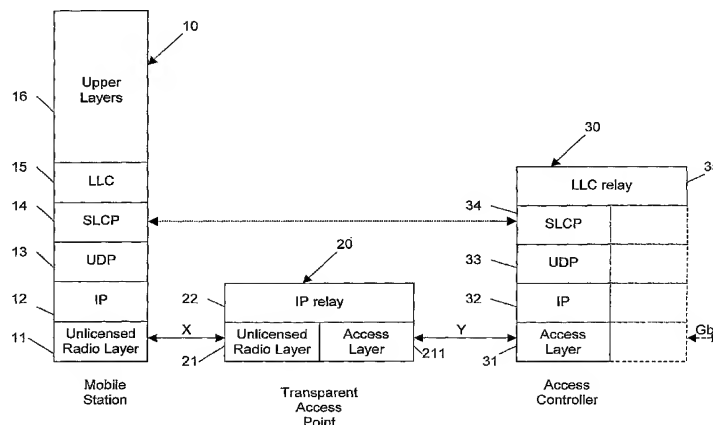
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(54) Title: UNLICENSED-LICENSED INTERWORKING ENHANCEMENT THROUGH THE IMPLEMENTATION OF AN SPECIFIC LINK CONTROL PROTOCOL LAYER WITH PACKET PRIORITIZATION



(57) Abstract: An unlicensed-radio access network connects a mobile station to a conventional cellular core network. The unlicensed-radio access network includes an access controller (30) connected to the core network portion and a plurality of access points (20) connected to the access controller via a broadband packet-switched network. Each access point supports an unlicensed-radio interface permitting communication between mobile stations (10) and the access controller. Both the mobile station and the access controller comprises a first link control module (15, 35) for relaying or generating packet service frames and a second transport protocol module (13, 33). In accordance with the present invention a third, link control module (14, 34) is arranged between the first and second modules for receiving packet service frames from the first link control module, determining a transmission priority assigned to each packet frame and forwarding the packet service frames to the first transport protocol module in an order corresponding to the assigned transmission priority.

WO 2005/099228 A1